CLAIMS

What is claimed is:

1.   A computer-implemented method for downloading a radio

5   configuration (R-CFG) file onto a software defined radio (SDR) device from a

server comprising:

forming a secure connection between the SDR device and the server;

sending a message that requests the R-CFG to be downloaded over

the network from the server to the SDR device;

10   downloading the R-CFG from the server to the SDR; and

using a device manager on the SDR device to determine whether the

R-CFG is compatible with the SDR device.

2.   The computer-implemented method of claim 1, wherein the R-

15   CFG is compatible with the SDR device provided that the R-CFG controls at

least one   radio frequency parameter solely within a permitted level

established by a regulatory agency.

3.   The computer-implemented method of claim 1, wherein the R-

20   CFG is compatible with the SDR device provided that the R-CFG is

configured to execute on a particular type of SDR device.

4. The computer-implemented method of claim 1, wherein a jurisdiction identifier is transmitted with the message.

5.   The computer-implemented method of claim 4, wherein the
5   jurisdiction identifier can be modified by a user of the SDR device.

6.   A method for downloading a R-CFG file onto a SDR device from a server comprising:

forming a secure connection between the SDR device and the server;

10   receiving a message that requests the R-CFG to be downloaded to the SDR device;

determining a type of SDR device to receive the R-CFG from the request message;

making a determination whether the R-CFG file is configured to control
15 a plurality of radio frequency parameters solely within permitted levels established by a regulatory agency; and

uploading the R-CFG from the server to the SDR based on the determination.

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7. A method for downloading a radio configuration (R-CFG) file onto a software defined radio (SDR) device from a server comprising:

forming a secure connection between the SDR device and the server;

receiving a message that requests the R-CFG to be downloaded to the

5 SDR device;

determining a type of SDR device to receive the R-CFG from the request message;

making a determination whether the R-CFG file is compatible with the . SDR device; and

10 uploading the R-CFG from the server to the SDR based on the determination.

8. The computer-implemented method of claim 7, wherein the R-CFG is compatible with the SDR device provided that the R-CFG is

15 . configured to execute on a particular type of SDR device.

9. The computer-implemented method of claim 7, wherein a jurisdiction identifier is transmitted with the message.

20 10. The computer-implemented method of claim 7, wherein the jurisdiction identifier can be modified by a user of the SDR device.

11. An apparatus comprising:

    storage media including instructions stored thereon which when

5 executed cause a computer system to perform a method including:

    forming a secure connection between the SDR device and a server of

the computer system;

    receiving a message that requests the R-CFG to be downloaded to the

SDR device;

10   determining a type of SDR device to receive the R-CFG from the

request message;

    making a determination whether the R-CFG file is compatible with the

SDR device; and

    uploading the R-CFG from the server to the SDR based on the

15 determination.

12.   The apparatus of claim 11, wherein the R-CFG is compatible with the

SDR device provided that the R-CFG is configured to execute on a particular

type of SDR device.

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13.   The apparatus of claim 11, wherein a jurisdiction identifier is

transmitted with the message.

14.   The computer-implemented method of claim 11, wherein the jurisdiction identifier can be modified by a user of the SDR device.